

# SEQUENCE LISTING



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<120> COMPOSITIONS AND METHODS FOR DETECTING RAPIDOPHYTES

<130> 506812000120

<140> 09/780,113

<141> 2001-02-09

<150> 09/596,136

<151> 2000-06-16

<150> 60/141,362

<151> 1999-06-28

<160> 30

<170> PatentIn Ver. 2.1

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<210> 14

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial oligonucleotide probe

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27

<210> 15

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial oligonucleotide probe

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23

<210> 16

<211> 20

<212> DNA

<213> Artificial Sequence

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<220>

<223> Artificial oligonucleotide probe

<400> 23

agagtagctg agcacgcac tct

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<210> 24

<211> 687

<212> DNA

<213> *Chattonella antiqua*

<400> 24

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actgaggttc catcttgccg ttgcctgctt gttactctcc tgttgcctgt tctgtcctac 600
tgcttgacag gttcgggtgc agtgattgga ctgtgcaagt tatgcatgca aggtcaggat 660
cctgacgaat ggctttatta acccgaa 687
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<210> 25

<211> 681

<212> DNA

<213> *Chattonella subsalsa*

<400> 25

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ctactctcca gggctaagtc tgtttgtgaa agacagtgtc atggacgggtg ataaccgggt 180
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gcggggattg tgtatcgagg actttgagct tgtcaggatg agttctctgc cgcgggatat 480
gttttgtagt ctggatgctt tttgcggaac atacattctc tgtcgtggct tggactgagg 540
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agtgtcagc tgcagtagtt ggactgtgcy tattatgcat gcaaggtcag gatcctgacg 660
aatggcttta ttcaccgcga a 681
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<210> 26

<211> 703

<212> DNA

<213> *Fibrocapsa japonica*

<400> 26

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gatgtaaatc tgggtgacgt ttcgttacc cgaattgtag tctacagaag cgtgtccagc 120
cgccccccct ggcaaagtcc cctggaacgg ggcacgtgag acggtgacaa tccggttcat 180
gcctgggggtg tcgctgtgtg acgggcccgt ttcaacgagt cgagttgctt gggattgcag 240
ctctaagcgg gtggttaaatt ccatctaaag ctaaattatt gtgggagacc gatagcgaac 300
aagtaccgtg agggaaagat gaaaagaact ttggaaagag agttaaacag tacctgaaat 360
tgctgaaagg gaagcgaagg aagtcagtgt atgccggggg tcatatttcg tgctgccttg 420
aggggtagtg cgcgctgtgt cccatggggt ggtcaggatg ggtttgttcc gcgggagatt 480
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gcatgctgtg gcggttgtgt ttcggtttat ttgccttgca tccccgtgc gctctagatc 660
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<210> 27

<211> 715

<212> DNA

<213> *Heterosigma akashiwo*

<400> 27

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gtaacggcga gtgaagcggg aagagctcat gttgtaaatc tccagcttgc tggcgaattg 120
tagtctaaag gtgctgtctc agtcgtgggc cgggctaag tctgttgaa aacagcatca 180
tggacgggtga caatccggtt cttgcctggg gtcccgccgc gtacgagccg tttccgacga 240
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gttctgttcc gcgggaaatg ttcagtgtgc tggaaacttc gggaaacgca ctgttcttgt 540
cgtgggttagg acggaggacc tttgctcctt tgactgcgcg ttctctctc gggatatgctg 600
gtgtctactg cttgcagttt tcattttcat gcttgcgact gtgcgtgtta ttcagagcgc 660
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<210> 28

<211> 681

<212> DNA

<213> *Vacuolaria virescens*

<400> 28

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tgcggggatt ccggcactgt ggcctggagc atgtcaggat gagttctctg ccgtgggata 480
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gttccatctc gccgtttgcc tgcccgtcgc tctctgccgg ttgttgctgt cctactgctt 600
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<220>  
<223> Artificial PCR Primer

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